



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 3

Complete if Known

Application Number	10/729,145
Filing Date	December 4, 2003
First Named Inventor	John R. ESSIG Jr.
Art Unit	2821
Examiner Name	Shih Chao CHEN
Attorney Docket Number	001-US-02

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
ca	A	US- 2,977,596	03-28-1991	Justice	
ca	B	US- 3,005,987	10-24-1961	Mack et al.	
ca	C	US- 3,056,131	09-25-1962	McCreary	
ca	D	US- 3,221,333	11-30-1965	Brown	
ca	E	US- 3,326,624	06-20-1967	Maydell et al.	
ca	F	US- 3,413,645	11-26-1986	Koehler	
ca	G	US- 3,471,860	10-07-1969	Amburgey	
ca	H	US- 4,352,112	09-28-1982	Leonhardt et al.	
ca	I	US- 4,672,389	06-09-1987	Ulry	
ca	J	US- 4,741,609	05-03-1988	Sallis	
ca	K	US- 4,755,819	10-05-1988	Bernasconi et al.	
ca	L	US- 5,276,600	01-04-1994	Takase et al.	
ca	M	US- 5,486,984	01-23-1996	Miller	
ca	N	US- 5,836,667	11-17-1998	Baker et al.	
ca	O	US- 5,893,360	10-13-1999	Stoumen et al.	
ca	P	US- 5,947,581	09-07-1999	Schrimmer et al.	
ca	Q	US- 5,967,652	10-19-1999	Ramer et al.	
ca	R	US- 6,102,555	08-15-2000	Mizoguchi	
ca	S	US- 6,771,229	08-03-2004	Thornburgh	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
ca	T	FR 1,048,681	12-23-1953	Tarcici		
ca	U	GB 758,090	09-26-1956	Suchy et al.		
ca	V	JP 59-097205	06-05-1984	Yasuo		

Examiner
Signature

Shih Chao Chen

Date
Considered

8/16/05

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First Named Inventor	John R. ESSIG Jr.
Art Unit	2821
Examiner Name	Shih Chao CHEN
Attorney Docket Number	001-US-02

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	<i>Shih-then Chen</i>	Date Considered	<i>8/16/05</i>
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Sheet 3 of 3

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ce	Z	G. Grossman et al., Inflatable Concentrators for Solar Propulsion and Dynamic Space Power, J. Solar Energy Engineering, vol. 112, 1990, pp. 229-236.	
ce	AA	Michael A. Dornheim, Inflatable Structures Taking to Flight. Aviation Week & Space Technology, January 25, 1999, pp. 60-62, downloaded from www.lgarde.com.	
ce	AB	R.E. Freeland et al., Inflatable Deployable Space Structures Technology Summary. International Aeronautics Federation, 1998, 16 pages.	
ce	AC	Wayne A. Wong, Operation of a Thin-film Inflatable Concentrator System Demonstrated in a Solar Thermal Vacuum Environment, 3rd AIAA Gossamer Spacecraft Forum, Apr. 2002, 3 pgs	
ce	AD	Inflatable Structures in Space Will Help Study Universe. NASA/JPL News Release, August 20, 2000, 3 pages.	
ce	AE	Carol M. Tolbert, Inflatable Concentrators. www.grc.nasa.gov/WWW/tmsb/concentrators/doc/inflatable.html (last updated August 1, 2002), 3 pages.	
ce	AF	Mitchell Thomas, Inflatable Space Structures. Downloaded from www.lgarde.com on February 27, 2003, 4 pages.	

Examiner Signature	Shih Chao Chen	Date Considered	8/16/05
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